UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 84-R-0066 CUSTOMER NUMBER: 21162

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Bolder Biopath, Inc. 5541 Central Ave., Suite 160 Boulder, CO 80301

Telephone: (303) -633-5400

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )						
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report	OF ANIMALS  ( COLUMNS     C + D + E )	
4. Dogs						
5. Cats						
6. Guinea Pigs	-					
7. Hamsters				8	8	
8. Rabbits		<b>→</b>	-	-		
9. Non-human Primates	,					
10. Sheep						
11. Pigs		_				
12. Other Farm Animals						
		<u> </u>				
13. Other Animals	-					

## ASSURANCE STATEMENTS

(AUG 91)

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

		CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official )					
(b)(6),	,(b)(7)(c)		(b)(6),(b)(7)(c)	L OFFICIAL (Type or Print)	DATE SIGNED  9/24/08		
-,		, which is obsolete.)					

## Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

Registration Number:	84-R-	0066		
Number	3	of animals used	in this study.	
Species (common name) _	Hamster	of animals used i	n the study.	
Explain the procedure prod Inflammatory bowel disease is a chronic d harmatory (and humana) in associated with hemorrhegic cestife (inflamed and edamat (po, ip, sc) of a given antibiotic at the appr antibiotics may be used on individual grou	ebilitating inflammatory condition takine produced by Clostridium bus occum) or through in vitro to coriate amount listed in the tab	on involving the distal small intest of difficile (C. difficile) and is chara eating for C. difficile colony densi- le below. Only one antibiotic will	otenzeg.commet cureculy and material lies or C. difficile todne. Hemsters will rec	paive 1 dose
Challenge Antibiotic	Dose (mg)*	Dose (mg/kg)*	Expected Mortality Rate	
Cefazolin	60	800	90%	1
Cephaloridine	90	1125	90%	]
Cephalothin	75	1000	90%	1
Cefoxitin	2	25	90%	4
Cefamandole	60	800	90%	1
Cephradine	75	1000	90%	1
*Minor adjustments may be made to the	0.75	10		J
Intentinal pain would call for nercotics, w	hich would produce systemic a	Neole that could increase the num	iber of moribund animals. The negative a ordinate amount of pain when bacterial in	flects of the
induced. Hemelers will lose weight as Cl	ostridum difficile (C. difficile) oc come moribund (inactive, unrec	tions sizes increase and toxin are	shoulden begins. As the end point of the normic) as a result of either the entitloids of	nodel is
What, if any, federal regula (CFR) title number and the	ations require this p specific section nu	procedure? Cite the aumber (e.g., APHIS,	agency, the code of Fede 9 CFR 113.102):	eral Regulatio
Agency	CF	R		
Agency These Hamsters Sacrufum du	Never Dave	loped onten	ocolitis and w	ene Hum
sacrefund du	e to NON-	pesponer.		